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- 1. An organic EL circuit comprising:
- a plurality of pixels, each pixel having a plurality of driving

 transistors which are switched on and off based on data from a

 plurality of data lines and a plurality of organic EL elements each

 of which is provided to correspond to each of said plurality of

 driving transistors, wherein

the transistor size of each of said driving transistors differs 10 from that of the other driving transistors; and

gray scale display is effected by controlling the number of transistors to be switched on in order to vary the number of EL elements which are switched on in each pixel and thereby control the amount of light emitted by each pixel.

- An organic EL circuit according to claim 1, wherein the sizes
 of the plurality of driving transistors are set so that the sizes
 are sequentially doubled.
- 20 3. An organic EL circuit according to claim 1, wherein the size of the transistor is determined by the gate length and/or gate width of the transistor.
- An organic EL circuit according to claim 1, wherein the light
 emission areas of said plurality of EL elements within one pixel are varied.
 - An organic EL circuit according to claim 4, wherein the light emission area of the EL element connected to the larger driving

transistor is increased.

- 6. An organic EL circuit according to claim 1, wherein the driving period of the driving transistor of each pixel 5 is divided into a plurality of sub-fields; and the duration of ON condition of each EL element is controlled by controlling the on/off condition in each sub-field.
- 7. An organic EL circuit according to claim 6, wherein the lengths of said plurality of sub-fields are set so that they are sequentially doubled.